



CLEAR CHANNEL CORPORATION

AR-3300 TECHNICAL BULLETIN #1
APR 4, 1986

SYMPTOM: First word clipped off.

CAUSE: Modulation amplifier slow turning on (.25 to .5 sec.)

REMEDY: Change R139 to 4.7 Kohm. Move the cathode of D61 to the base of Q43. Add 220 mfd @ 16V + side to anode D61, - side to ground. (Diode and cap should be placed on bottom {solder side} of PCB for best results.

NOTES: This will completely eliminate this problem. All radios received for service should be modified with this change. This change incorporated at the factory beginning with serial#86020801

SEE PAGE 9 FOR PARTS LOCATIONS.

AR-3300 TECHNICAL BULLETIN #3
APR. 23, 1986

SYMPTOMS: Warble (frequency shift) on SSB. Squeal (audio oscillation) on AM.

CAUSE: Ground loop and by-pass problems on PCB.

REMEDY: Connect open in ground plane on PCB near audio IC8 (see page 2, location A). Connect a .01 capacitor from the spot where ground plane is connected to chassis.

Tighten screws that hold PCB to chassis.

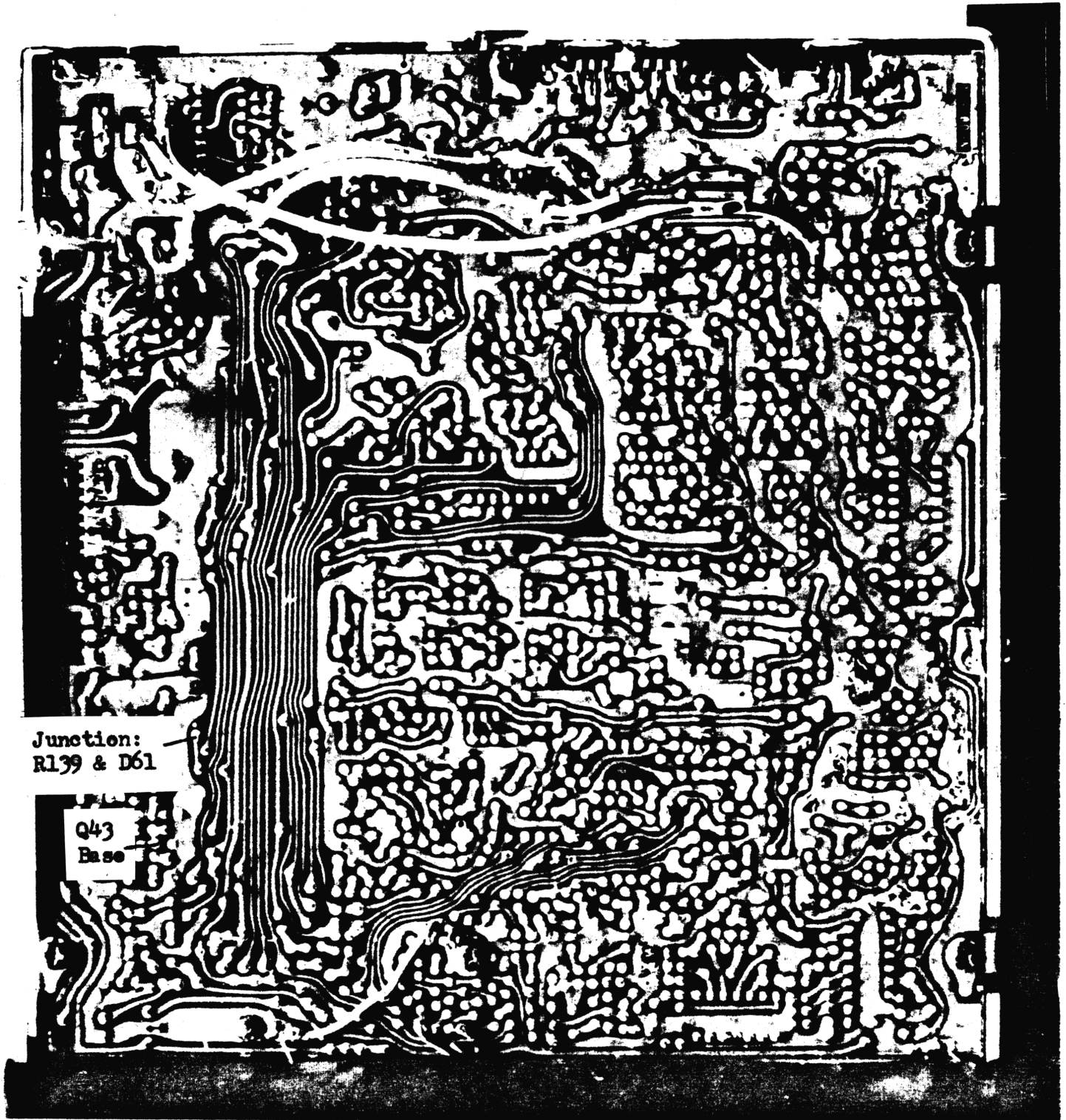
Add by-pass capacitor (.01) at location B (see page 2, location B).

Scrape the inside of covers by mounting screws to improve connection to chassis when covers are on.

Install by-pass capacitors (.01) between mounting screws of Q28, Q29, Q30 and the RF shield around the power amplifier area. Install a by-pass capacitor from the RF shield and the ground lug of the SO-239 antenna connector.

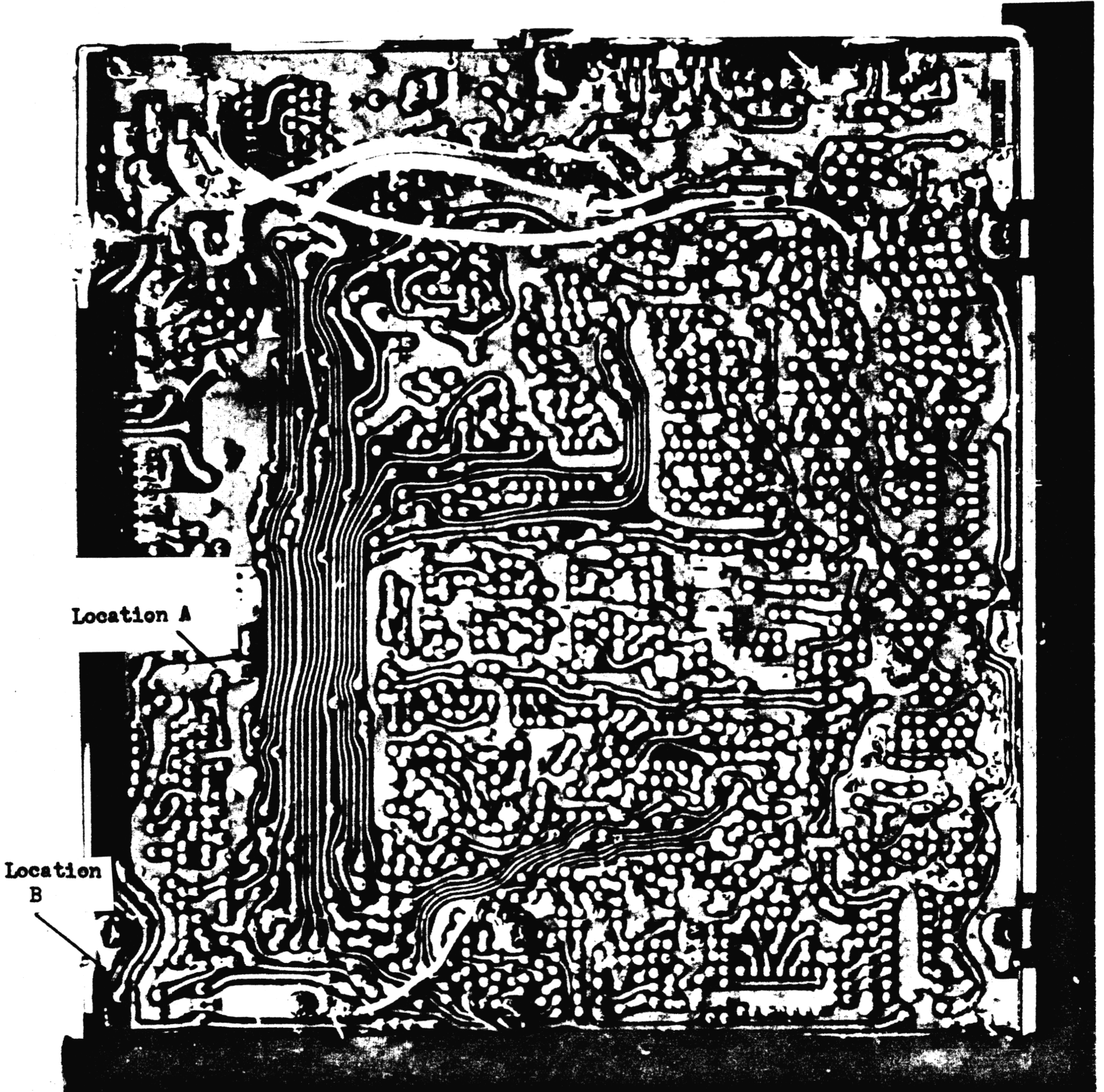
NOTES: This will completely eliminate this problem. All radios received for service should be modified with this change.

PAGE 10 FOR PARTS LOCATIONS.



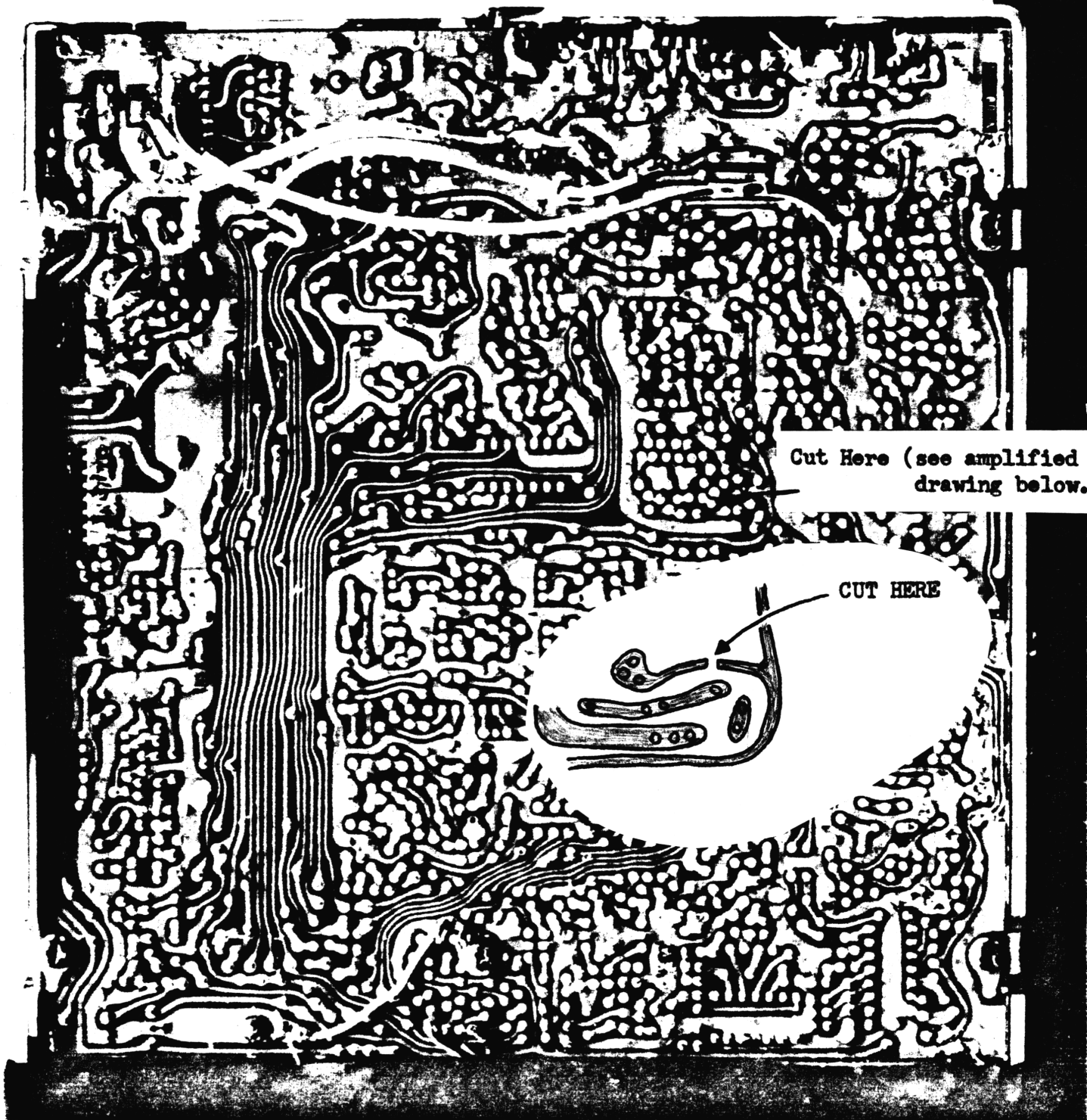
Junction:
R139 & D61

Q43
Base



NOISE BLANKER SWITCH

To turn off the noise-blanker cut the trace marked below. A SPST switch can be installed at the cut for a control.



Cut Here (see amplified drawing below..)

CUT HERE